

AMENDMENTS TO THE CLAIMS

Claims 1-31. (Canceled)

32. **(Currently Amended)** A loudspeaker comprising:

a magnetic circuit;

a frame connected to said magnetic circuit;

a voice coil within a magnetic gap of said magnetic circuit; and

a diaphragm having an outer peripheral portion bonded to said frame via an edge, and

also having an inner peripheral portion bonded to said voice coil, said edge being a separate member relative to said diaphragm and bonded thereto, and said edge comprising a foamed layer,

wherein said ~~edge~~ foamed layer is made of a foamed resin including both an independent foam and a continuous foam, and a thickness of a sectional shape of an inner peripheral portion of said edge is thinner than a thickness of a sectional shape of an outer peripheral portion of said edge, and

wherein a density of said foamed resin at said inner peripheral portion of said edge is higher than a density of said foamed resin at said outer peripheral portion of said edge.

33. **(Currently Amended)** The loudspeaker according to claim 3241, wherein

said edge includes convexities and concavities alternately arranged in a peripheral direction of said edge.

34. **(Currently Amended)** The loudspeaker according to claim 3241, wherein

the loudspeaker has a length and a width, with the length being greater than the width, and

a variation in thickness of said edge in a lengthwise direction of the loudspeaker is greater than a variation in thickness of said edge in a widthwise direction of the loudspeaker.

35. **(Previously Presented)** The loudspeaker according to claim 34, wherein a dimension of said inner peripheral portion of said edge is smaller than a corresponding dimension of said outer peripheral portion said diaphragm.

36. **(Previously Presented)** The loudspeaker according to claim 34, wherein said edge is corrugated in a direction from said inner peripheral portion of said edge to said outer peripheral portion of said edge.

37. **(Previously Presented)** The loudspeaker according to claim 34, wherein said edge includes ribs in a direction from said inner peripheral portion of said edge to said outer peripheral portion of said edge.

38. **(Previously Presented)** The loudspeaker according to claim 34, wherein said edge includes ribs in a peripheral direction of said edge.

39. **(Previously Presented)** The loudspeaker according to claim 34, wherein a thickness of said edge in a lengthwise direction of the loudspeaker is greater than a thickness of said edge in a widthwise direction of the loudspeaker.

40. **(Currently Amended)** The loudspeaker according to claim ~~32~~41, wherein an expansion ratio of said foamed resin differs between said inner peripheral portion of said edge and said outer peripheral portion of said edge.

41. **(Currently Amended)** The loudspeaker according to claim 32, wherein said edge includes a skin ~~layer~~ layers on said foamed ~~resin~~ layer.

42. **(Currently Amended)** The loudspeaker according to claim ~~32~~41, wherein

a dimension of said inner peripheral portion of said edge is smaller than a corresponding dimension of said outer peripheral portion of said diaphragm.

43. **(Currently Amended)** The loudspeaker according to claim 3241, wherein said edge is corrugated in a direction from said inner peripheral portion of said edge to said outer peripheral portion of said edge.

44. **(Currently Amended)** The loudspeaker according to claim 3241, wherein said edge includes ribs in a direction from said inner peripheral portion of said edge to said outer peripheral portion of said edge.

45. **(Currently Amended)** The loudspeaker according to claim 3241, wherein said edge includes ribs in a peripheral direction of said edge.

46. **(Currently Amended)** The loudspeaker according to claim 3241, wherein the loudspeaker has a length and a width, with the length being greater than the width, and
a thickness of said edge in a lengthwise direction of the loudspeaker is greater than a thickness of said edge in a widthwise direction of the loudspeaker.

Claim 47. (Canceled)

48. **(Currently Amended)** A loudspeaker comprising:
a magnetic circuit;
a frame connected to said magnetic circuit;
a voice coil within a magnetic gap of said magnetic circuit; and

a diaphragm having an outer peripheral portion bonded to said frame via an edge, and also having an inner peripheral portion bonded to said voice coil, said edge being a separate member relative to said diaphragm and bonded thereto, and said edge comprising a foamed layer,

wherein the loudspeaker has a length and a width, with the length being greater than the width,

wherein said ~~edge~~ foamed layer is made of a foamed resin including both an independent foam and a continuous foam, with a thickness of said edge in a lengthwise direction of the loudspeaker being greater than a thickness of said edge in a widthwise direction of the loudspeaker, and

wherein a density of said foamed resin at an inner peripheral portion of said edge is higher than a density of said foamed resin at an outer peripheral portion of said edge.

49. **(Currently Amended)** A loudspeaker comprising:

a magnetic circuit;

a frame connected to said magnetic circuit;

a voice coil within a magnetic gap of said magnetic circuit; and

a diaphragm having an outer peripheral portion bonded to said frame via an edge, and also having an inner peripheral portion bonded to said voice coil, said edge being a separate member relative to said diaphragm and bonded thereto, and said edge comprising a foamed layer,

wherein said ~~edge~~ foamed layer is made of a foamed resin including both an independent foam and a continuous foam, and includes convexities and concavities alternately arranged in a peripheral direction of said edge, and

wherein a density of said foamed resin at an inner peripheral portion of said edge is higher than a density of said foamed resin at an outer peripheral portion of said edge.

50. **(Currently Amended)** A loudspeaker comprising:

a magnetic circuit;

a frame connected to said magnetic circuit;

a voice coil within a magnetic gap of said magnetic circuit; and
a diaphragm having an outer peripheral portion bonded to said frame via an edge, and
also having an inner peripheral portion bonded to said voice coil, said edge being a separate
member relative to said diaphragm and bonded thereto, and said edge comprising a foamed layer,
wherein said edge foamed layer is made of a foamed resin including both an independent
foam and a continuous foam, with a dimension of an inner peripheral portion of said edge being
smaller than a corresponding dimension of said outer peripheral portion of said diaphragm, and
wherein a density of said foamed resin at said inner peripheral portion of said edge is
higher than a density of said foamed resin at said outer peripheral portion of said edge.

51. **(Currently Amended)** A loudspeaker comprising:
a magnetic circuit;
a frame connected to said magnetic circuit;
a voice coil within a magnetic gap of said magnetic circuit; and
a diaphragm having an outer peripheral portion bonded to said frame via an edge, and
also having an inner peripheral portion bonded to said voice coil, said edge being a separate
member relative to said diaphragm and bonded thereto, and said edge comprising a foamed layer,
wherein said edge foamed layer is made of a foamed resin including both an independent
foam and a continuous foam, with said edge being corrugated in a direction from an inner
peripheral portion of said edge to an outer peripheral portion of said edge, and
wherein a density of said foamed resin at said inner peripheral portion of said edge is
higher than a density of said foamed resin at said outer peripheral portion of said edge.

52. **(Currently Amended)** A loudspeaker comprising:
a magnetic circuit;
a frame connected to said magnetic circuit;
a voice coil within a magnetic gap of said magnetic circuit; and

a diaphragm having an outer peripheral portion bonded to said frame via an edge, and also having an inner peripheral portion bonded to said voice coil, said edge being a separate member relative to said diaphragm and bonded thereto, and said edge comprising a foamed layer, wherein said ~~edge~~ foamed layer is made of a foamed resin including both an independent foam and a continuous foam, and said edge includes ribs in a direction from an inner peripheral portion of said edge to an outer peripheral portion of said edge, and wherein a density of said foamed resin at said inner peripheral portion of said edge is higher than a density of said foamed resin at said outer peripheral portion of said edge.

Claim 53. (Canceled)

Claim 54. (Canceled)

55. **(New)** The loudspeaker according to claim 48, wherein said edge includes skin layers on said foamed layer.

56. **(New)** The loudspeaker according to claim 49, wherein said edge includes skin layers on said foamed layer.

57. **(New)** The loudspeaker according to claim 50, wherein said edge includes skin layers on said foamed layer.

58. **(New)** The loudspeaker according to claim 51, wherein said edge includes skin layers on said foamed layer.

59. **(New)** The loudspeaker according to claim 52, wherein said edge includes skin layers on said foamed layer.